This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at http://books.google.com/

LIBRARY

OF THE

ARNOLD ARBORETUM

JAMAICA PLAIN

HARVARD UNIVERSITY

This book was repaired by

[redacted] ______ 19____

ARBORETUM ET FRUTICETUM BRITANNICUM.

VOL. V.

FIRST VOLUME OF PLATES.

LONDON:
Printed by A. SPOTTISWOODE,
New-Street-Square.

ARBORETUM ET FRUTICETUM
BRITANNICUM;

OR,

THE TREES AND SHRUBS OF BRITAIN,

Native and Foreign, Hardy and Half-Hardy,

PICTORIALLY AND BOTANICALLY DELINEATED,

AND SCIENTIFICALLY AND POPULARLY DESCRIBED;

WITH

THEIR PROPAGATION, CULTURE, MANAGEMENT,

AND USES IN THE ARTS, IN USEFUL AND ORNAMENTAL PLANTATIONS, AND IN

LANDSCAPE-GARDENING;

PRECEDED BY A HISTORICAL AND GEOGRAPHICAL OUTLINE
OF THE TREES AND SHRUBS OF TEMPERATE CLIMATES
THROUGHOUT THE WORLD.

BY J. C. LOUDON, F.L. & H.S. &c.

AUTHOR OF THE ENCYCLOPÆDIAS OF GARDENING AND OF AGRICULTURE.

IN EIGHT VOLUMES:

FOUR OF LETTERPRESS, ILLUSTRATED BY ABOVE 2500 ENGRAVINGS;
AND FOUR OF OCTAVO AND QUARTO PLATES.

VOL. V.

THE PLATES FROM MAGNOL*IA'CEÆ* TO LEGUMINO'SÆ INCLUSIVE.

SECOND EDITION.

LONDON:
HENRY G. BOHN, YORK STREET, COVENT GARDEN.
1854.

20681

Ra
L92a
1854

CONTENTS.

LIST OF THE PORTRAITS OF TREES FORMING VOL. V., SYSTEMATICALLY ARRANGED.

The names, scientific and English, of all the trees included in the plates forming Vols. V. VI. VII. and VIII., will be found systematically arranged in the General Contents in Vol. I., and alphabetically arranged at the end of Vol. VIII.

The number on the left hand merely shows the series; that on the right extremity of the column, in parenthesis, is the number printed on the plate; and the number preceding it refers to that page of the body of the work where the tree is treated of.

Magnòlia grandiflòra.
The large-flowered *evergreen* Magnolia.



13¼ ft. high, 3 in. diam.



Magnòlia grandiflòra exoniénsis.

The large-flowered *evergreen* Exeter Magnolia.



13½ ft. high, 3 in. diam.



Magnòlia glaúca.

The glaucous-*leaved deciduous* Magnolia.



13 ft. high, 4 in. diam.



Magnólia glaúca Thompsoniàna.

Thomson's glaucous-*leaved deciduous* Magnolia.



12¼ ft. high, 3 in. diam.









Magnòlia tripétala.

The three-petaled-*flowered deciduous* Magnolia.



12¾ ft. high, 3¼ in. diam.



Magnòlia macrophýlla.
The large-leaved *deciduous* Magnolia.



Magnòlia acuminàta.
The pointed-*leaved* Magnolia.



20 ft. high, 6 in. diam.

Magnòlia acuminàta.

The pointed-*leaved* Magnolia.



Full-grown tree at Syon; 49 ft. high, diam of the trunk 3 ft., and of the head 48 ft.
[Scale 1 in. to 12 ft]



Magnòlia cordàta.

The heart-shaped-*leaved deciduous* Magnolia.



12½ ft. high, 4½ in. diam.



Magnòlia auriculàta.

The ear-*leaved deciduous* Magnolia.



14½ ft. high, 3 in. diam.



Magnòlia (*auriculàta*) *pyramidàta.*

The pyramidal *deciduous* (ear-*leaved*) Magnolia.



13 ft. high, 2½ in. diam.



Magnòlia conspicua.

The conspicuous-*flowered, or Yulan,* Magnolia.



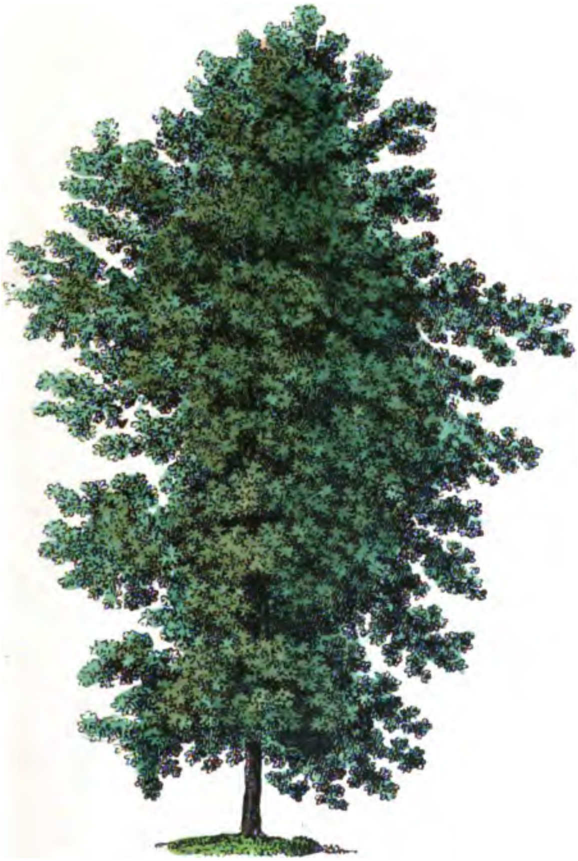
14 ft. high, 4½ in. diam.





Liriodéndron Tulipífera.

The Tulip tree.



18 ft. high, 4½ in. diam.







The Tulip-bearing Liriodendron, *or the Tulip tree.*



Full-grown tree at Syon; 76 ft. high.
[Scale 1 in. to 12 ft.]



Tília europæ`a.

The European, *or common*, Lime tree.

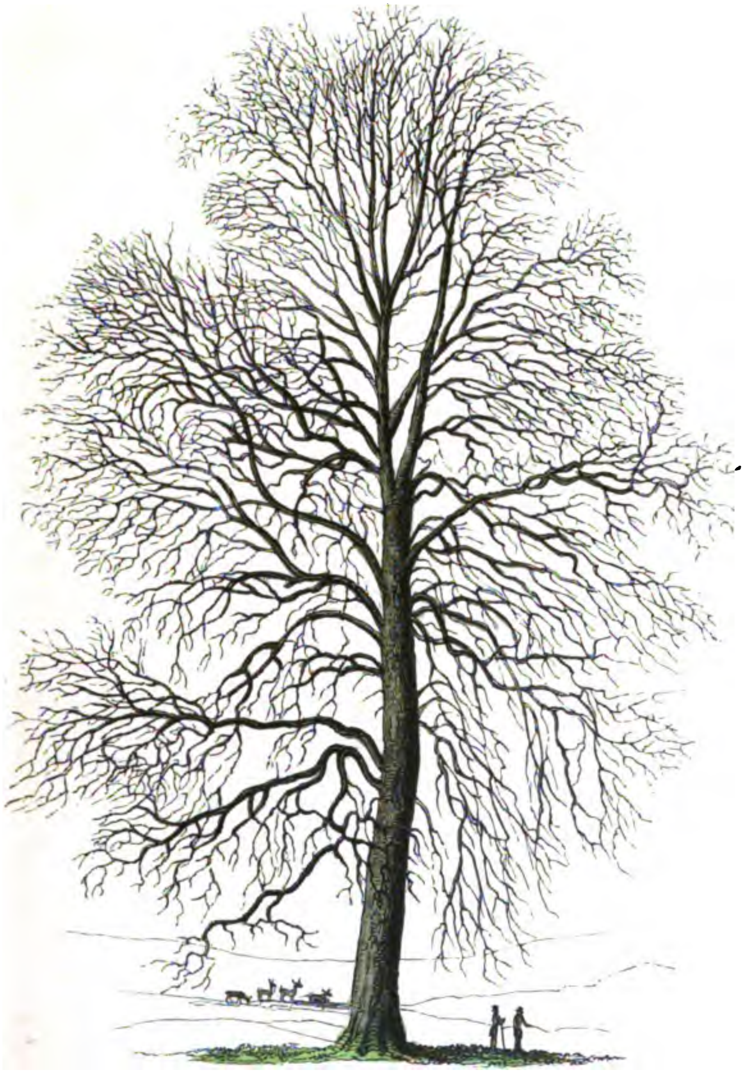


18 ft. high, 4 in. diam.



Tília europæ̀a.

The European, *or common*, Lime tree.



Full-grown tree at Studley Park ; 125 ft. high, diam. of the trunk 6 ft., and of the head 75 ft.
[Scale 1 in. to 24 ft.]



Tília (e.) platyphýlla.

The broad-leaved (European) Lime tree.



18 ft. high, 6 in. diam.



Tília (e.) platyphýlla minor.

The smaller broad-leaved (European) Lime tree.



15 ft. high, 4 in. diam.

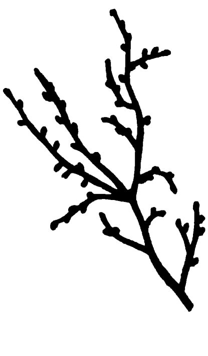


Tília (*e.*) *laciniàta.*

The laciniated-*leaved* (European) Lime tree.



14½ ft high, 3 in. diam.



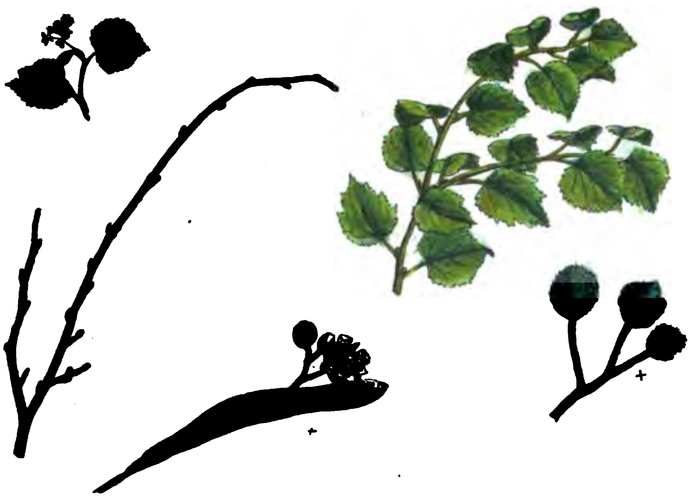


Tília* (*e.*) *aúrea.

The golden-*twigged* (European) Lime tree.



11 ft. high, 2¼ in. diam.



Tília (e.) alba.

The white-*leaved* (European) Lime tree.



16 ft. high, 3 in. diam.



Tilia (e.) alba.

The white-*leaved* (European) Lime tree.



16 ft. high, 3 in. diam.



Tília americàna.

The American Lime tree.



13 ft. high, 3 in. diam.

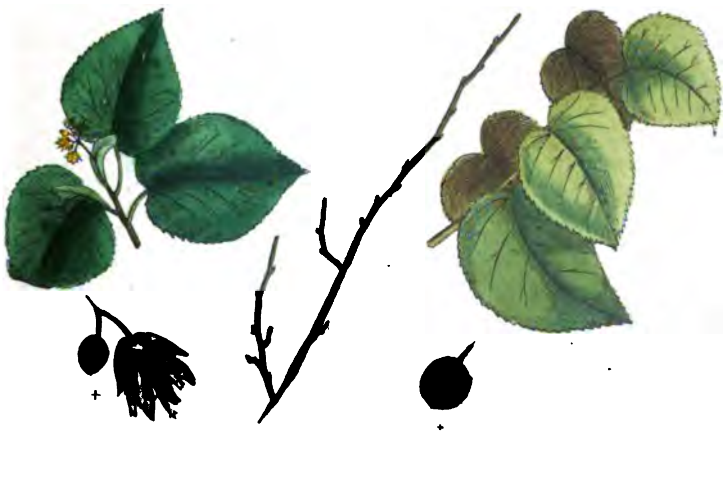


Tília americàna laxiflòra.

The loose-flowered American Lime tree.

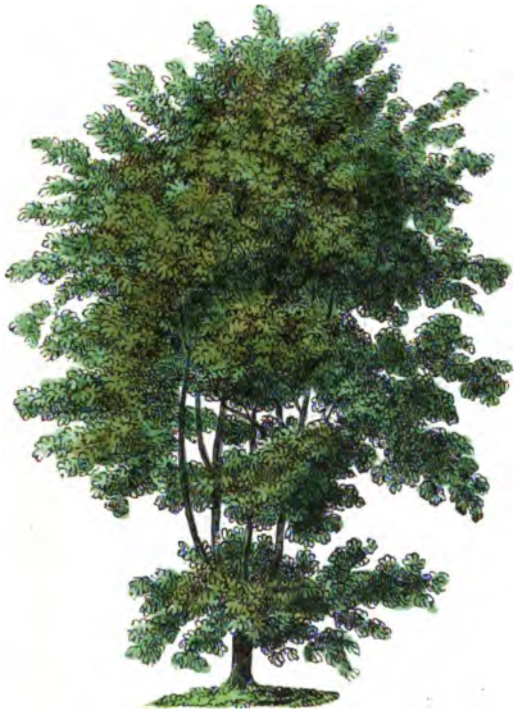


15 ft. high, 2¼ in. diam.



Tília americàna pubéscens.

The downy-*leaved* American Lime tree.



14 ft. high, 4½ in. diam.



A`*cer tatáricum.*

The Tartarian Maple.



15 ft. high, 4 in. diam.



A'cer spicàtum.

The spike-*flowered* Maple.



12½ ft. high, 3¼ in. diam.

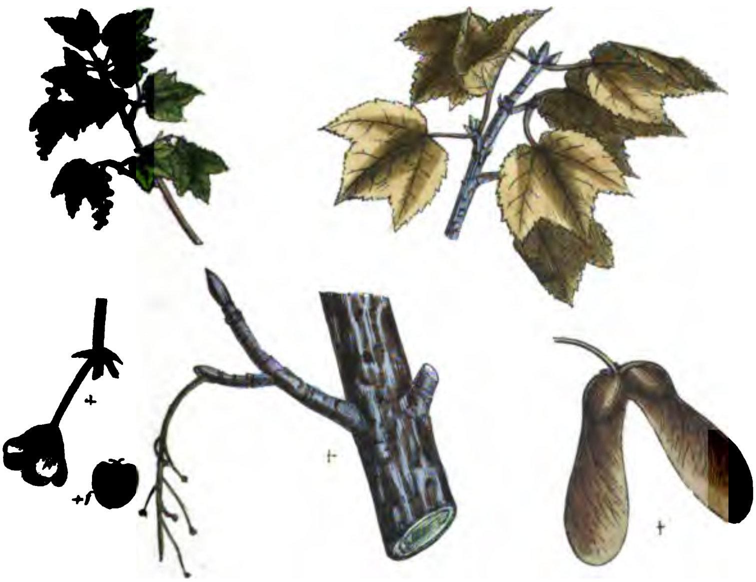


A`cer striàtum.

The striped-*barked* Maple.

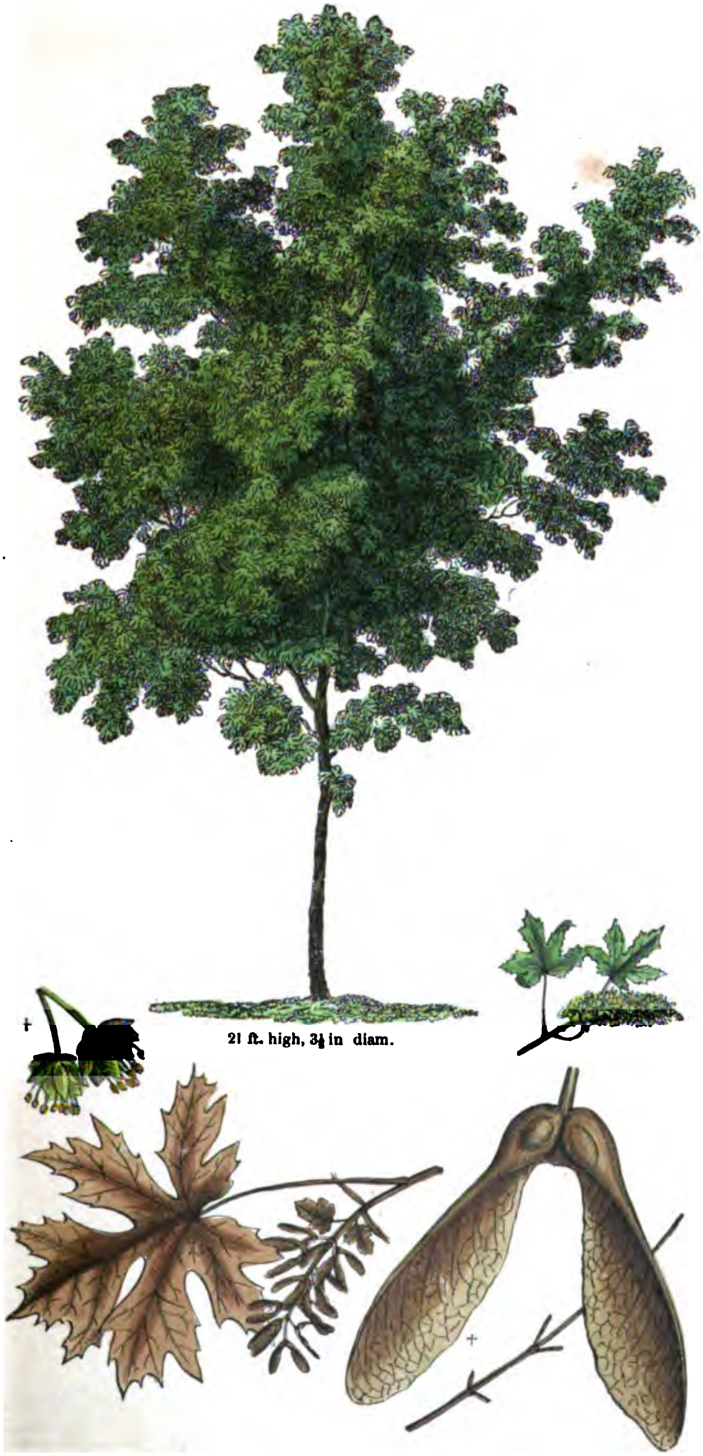


13 ft. high, 2⅛ in. diam.



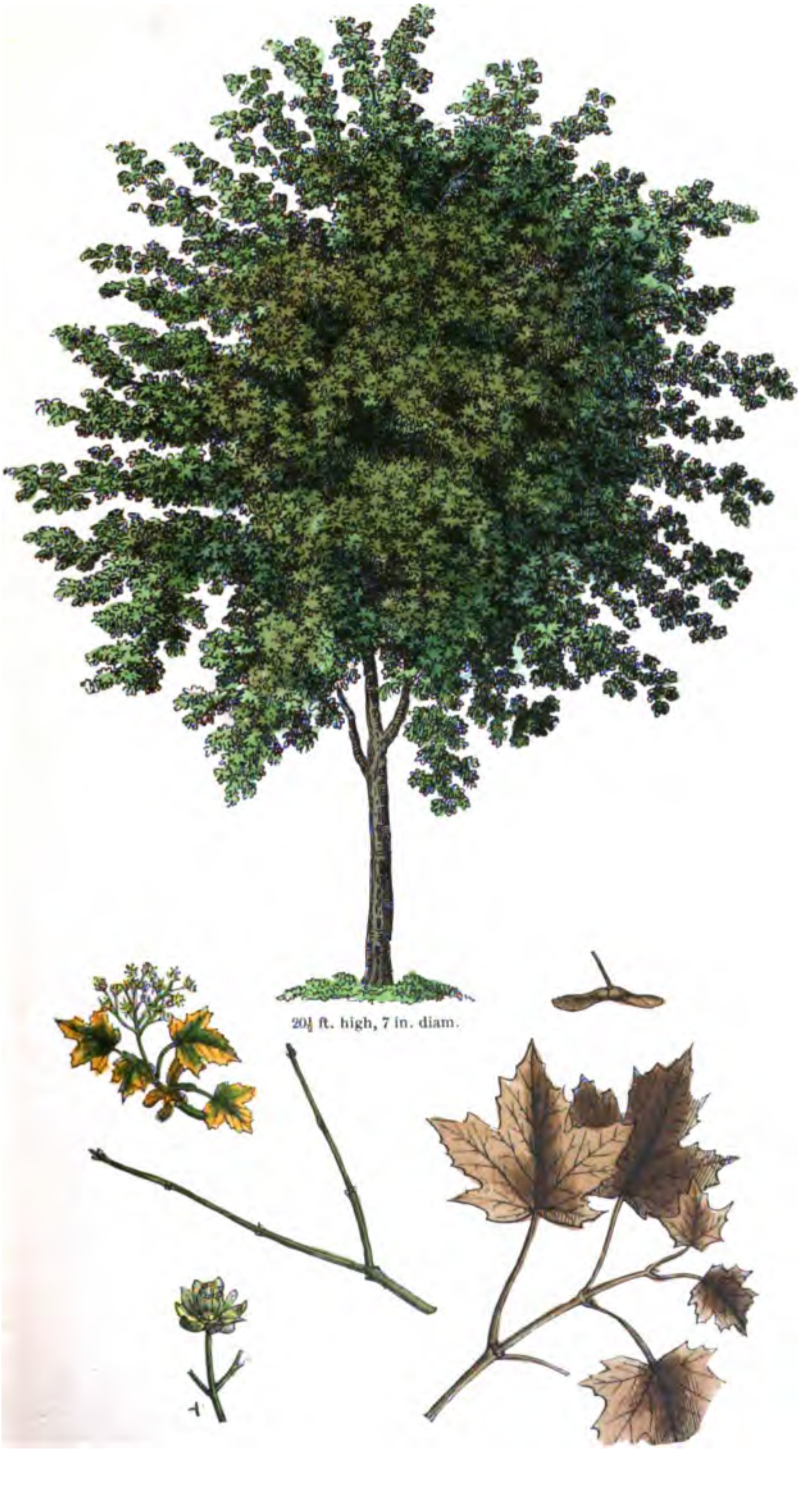
A`cer macrophýllum.

The large-leaved Maple.



21 ft. high, 3½ in diam.

The Platanus-like, *or Norway,* Maple.



A'cer platanöìdes laciniàtum.

The cut-*leaved* Platanus-like, *or Norway*, Maple.



16 ft. high, 3 in. diam.



A`cer sacchárinum.

The Sugar Maple.



13 ft. high, 2 in. diam.



A`cer *Pseùdo*-Plátanus.

The *Sycamore*, or False Plane tree Maple.



29¼ ft. high, 6 in. diam.

A'*cer Pseùdo*-Plátanus.

The false Platanus, *or common* Sycamore.

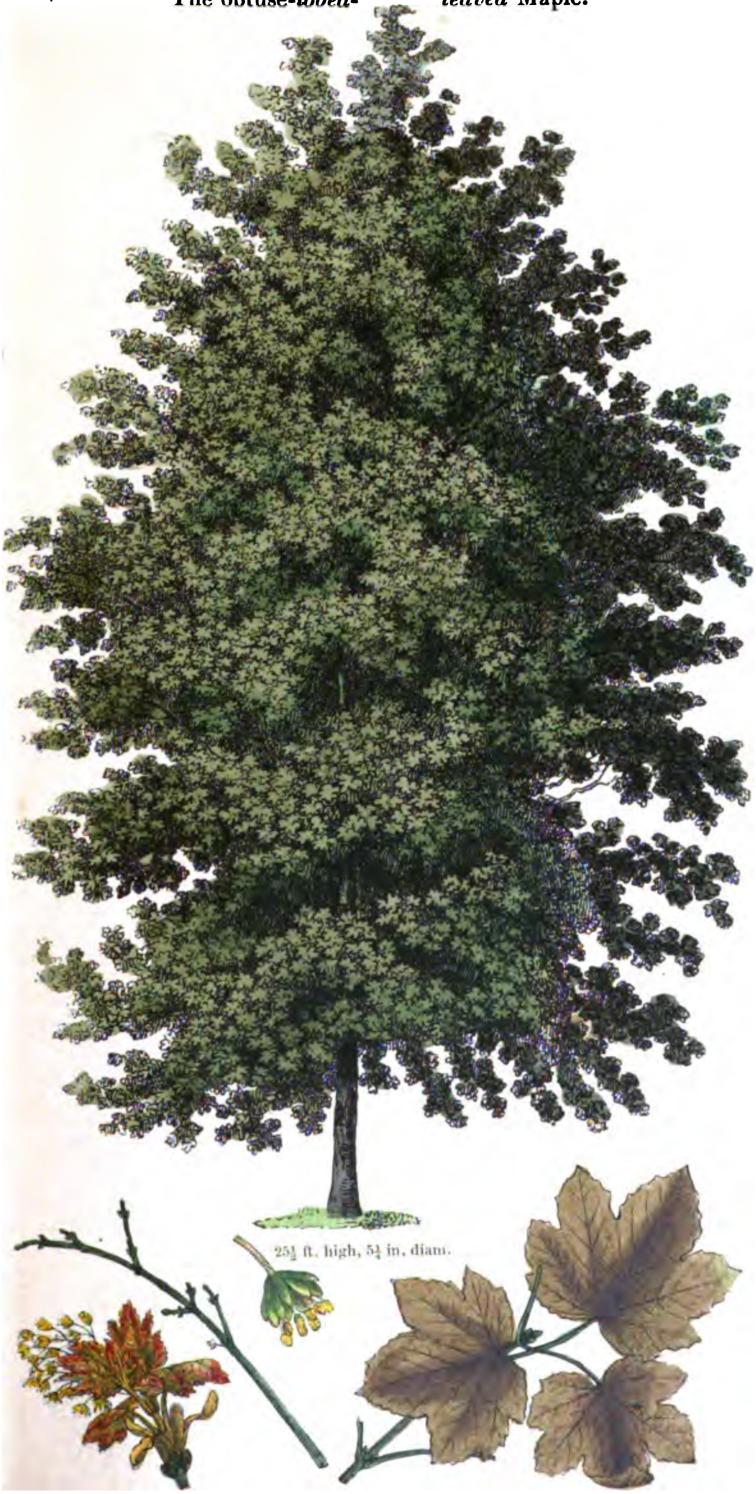


Full-grown tree at Studley; 100 ft. high, diam. of the trunk 8 ft. 1 in., and of the head 91 ft. [Scale 1 in. to 24 ft.]



A`cer obtusàtum.

The obtuse-*lobed-* *leaved* Maple.



A'cer opulifòlium.

The Guelder-Rose-leaved Maple.



14¾ ft. high, 3¼ in. diam.

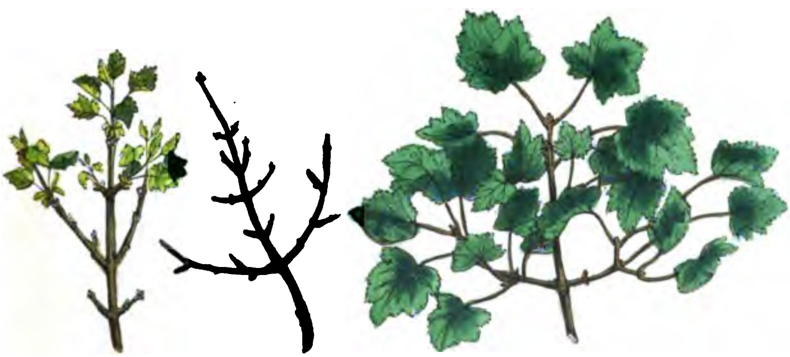


A'cer O'palus.

The Guelder-Rose-*like* Maple.



10 ft. high, 2½ in. diam.





32½ ft. high, 9 in. diam.

A'cer eriocárpum.

The woolly-fruited Maple.



Full-grown tree at Kew ; 56 ft. high. diam. of the trunk 3 ft., and of the head 45 ft.
[Scale 1 in. to 12 ft.]



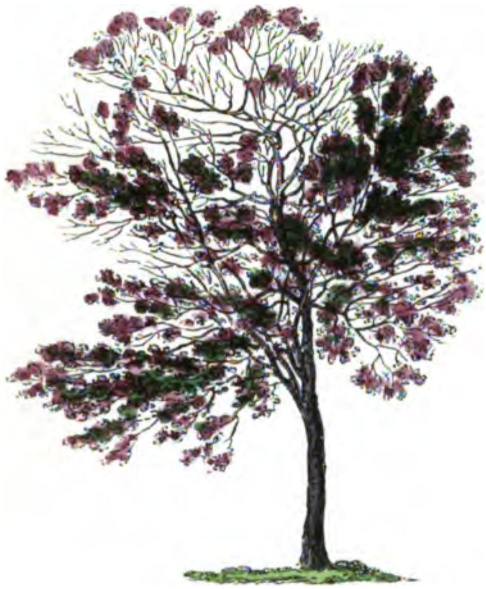
The red-*flowered* Maple.



21 ft. high, 5 in. diam.

A'cer rùbrum.

The red, *or Swamp*, Maple.



Full-grown tree at Kew ; 36 ft. high, diam. of the trunk 2½ ft., and of the head 30 ft.
[Scale 1 in. to 12 ft.]



A'cer mònspessulànum.

The Montpelier Maple.



15 ft. high, 4 in. diam.



A'cer monspessulànum.

The Montpelier Maple.

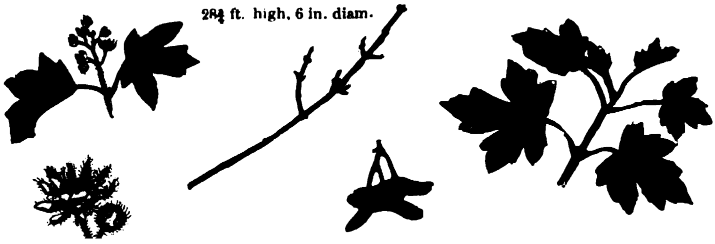


Full-grown tree at Ham House ; 30 ft. high, diam. of the head 40 ft., and of the trunk 1½ ft.
[Scale 1 in. to 12 ft.]





28¾ ft. high, 6 in. diam.





A'cer créticum.

The Cretan Maple.



Full-grown tree at Syon; 28 ft. high, diam. of the trunk 2¼ ft., and of the head 48 ft.
[Scale 1 in. to 12 ft.]



The Ash-leaved Box Elder.



30 ft. high, 8 in. diam.

Negúndo *fraxinifòlium críspum.*

The curled Ash-leaved Box Elder.



15¾ ft. high, 4½ in. diam.



Æ'sculus Hippocástanum.

The *common* Horsechestnut.



30½ ft. high, 8 in. diam.

The *common* Horsechestnut.



Full-grown tree at Forty Hill, Enfield; 62 ft. high, diam. of the trunk 4 ft., and of the head 48 ft. [Scale 1 in. to 12 ft.]



Æ'sculus (*H.*) *rubicúnda*, or *cárnea.*

The reddish, *or* flesh-colour, *flowered* Horsechestnut.



16 ft. high, 4 in. diam.

Pàvia rùbra.

The red-*flowered* Pavia.



10 ft. high, 4½ in. diam.



Pàvia rùbra.

The red-*flowered* Pavia.



Full-grown tree at Syon ; 26 ft. high, several small trunks from the same root ; head 27 ft. diam.
[Scale 1 in. to 12 ft.]

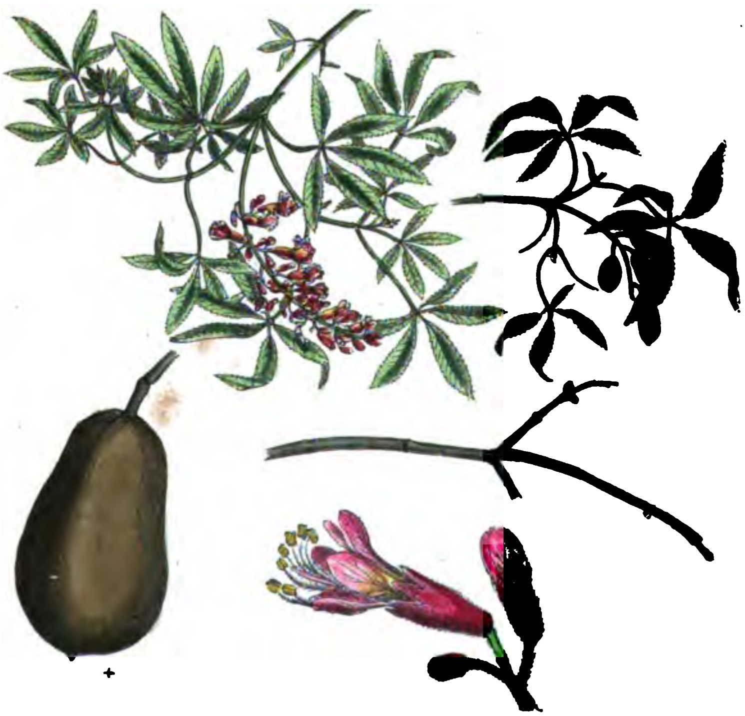


Pàvia hùmilis péndula.

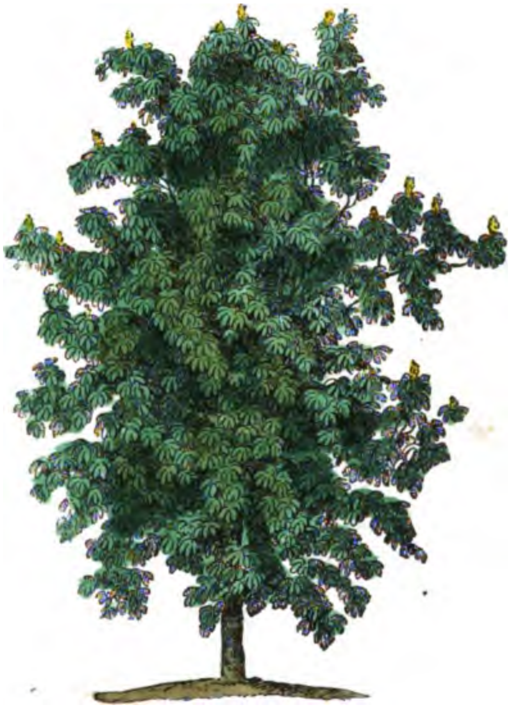
The pendulous-*branched* Pavia.



11 ft. high, 2¾ in. diam.



The yellow-*flowered* Pavia, *or smooth-fruited Horsechestnut.*



15 ft. high, 6 in. diam.





Full-grown tree at Syon ; 40 ft. high, diam. of the trunk 1 ft. 4 in., and of the head 39 ft.



Pàvia macrocárpa. 56

The large-fruited Pavia.

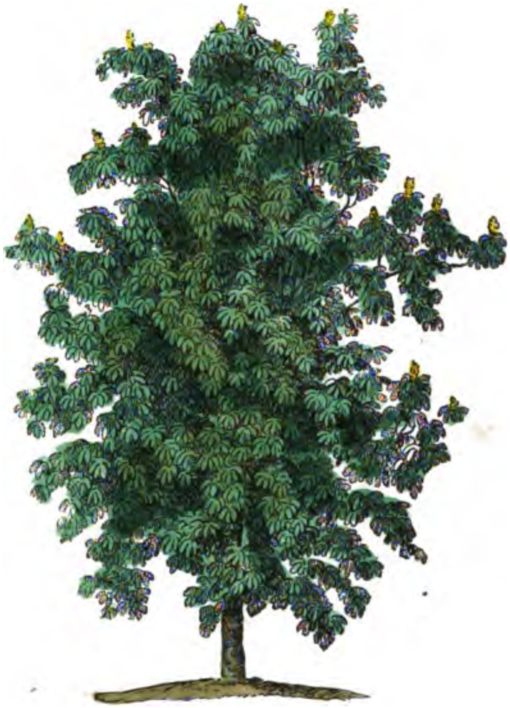


13 ft. high, 3 in. diam.



Pàvia flàva.

The yellow-*flowered* Pavia, *or smooth-fruited Horsechestnut.*



15 ft. high, 6 in. diam.





Full-grown tree at Syon ; 40 ft. high, diam. of the trunk 1 ft. 4 in., and of the head 39 ft.



The large-fruited Pavia.



13 ft. high, 3 in. diam.



Kölreutèria paniculàta.

The panicled-*flowered* Kölreuteria.



14¾ ft. high, 3 in. diam.



Xanthóxylon fraxineum. 58

The Ash-*leaved* Toothache tree.



Ptèlea trifoliàta.

The three-*leafleted* leaved Shrubby Trefoil.



16½ ft. high, 2½ in. diam.



Ailántus *glandulòsa.*

The glandulous-*leaved* Ailantus.



32 ft high, 8 in. diam

Ailántus *glandulòsa.*

The glandulous-*leaved* Ailantus.



Full-grown tree at Syon; 71 ft. high.
[Scale 1 in. to 12 ft.]

Euónymus europæ̀us.

The European, *or common*, Spindle tree.



10 ft. high, 2¼ in. diam.



Euónymus latifòlius.

The broad-leaved Spindle tree.



12 ft. high, 2 in. diam.



I'lex Aquifòlium.

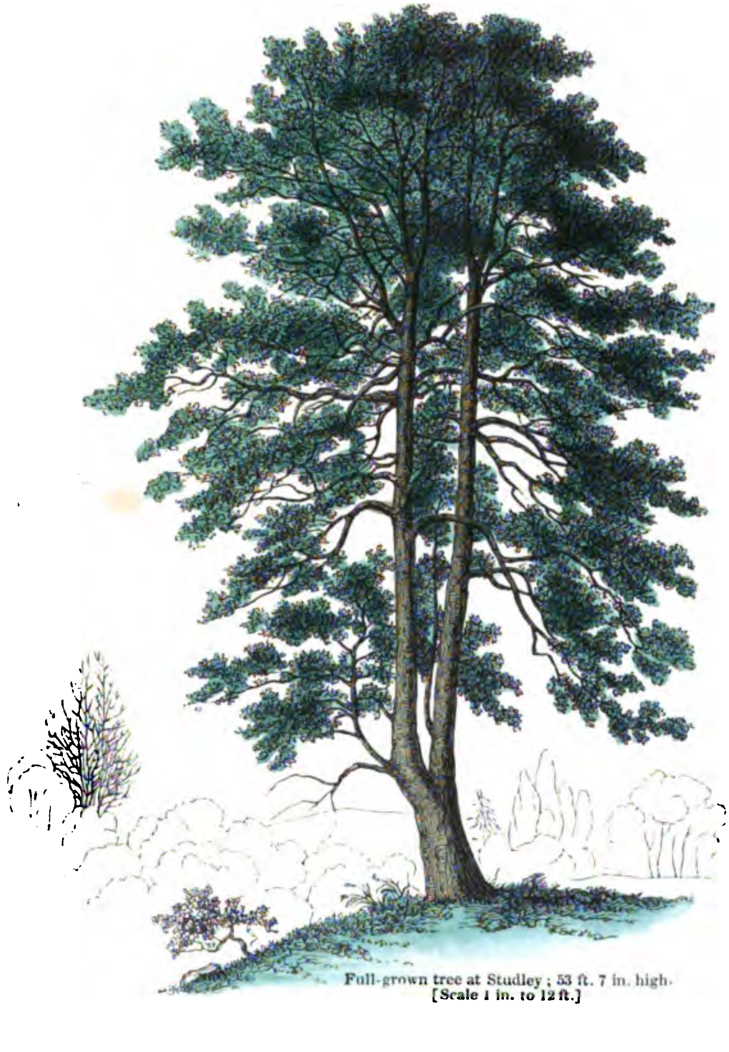
The sharp-leaved, *or common*, Holly.



14 ft. high, 3½ in. diam.



The sharp-leaved, *or common*, Holly.



Full-grown tree at Studley; 53 ft. 7 in. high.
[Scale 1 in. to 12 ft.]



I'*lex opàca.*

The opaque-*leaved* Holly.



12 ft. high, 2¼ in. diam.



I'lex opàca.

The opaque-*leaved* Holly.



Full-grown tree at Syon; 18 ft. high, diam. of the trunk 1 ft., and of the branches 23 ft. [Scale 1 in. to 12 ft.]



Paliùrus aculeàtus.

The prickly Paliurus, *or Christ's Thorn.*



13¼ ft. high, 2 in. diam.



Paliùrus aculeàtus.

The prickly Paliurus, *or Christ's Thorn.*



Full-grown tree at Syon ; 33 ft. high, diam. of the trunk 1 ft., and of the head 30 ft.
[Scale 1 in. to 12 ft.]

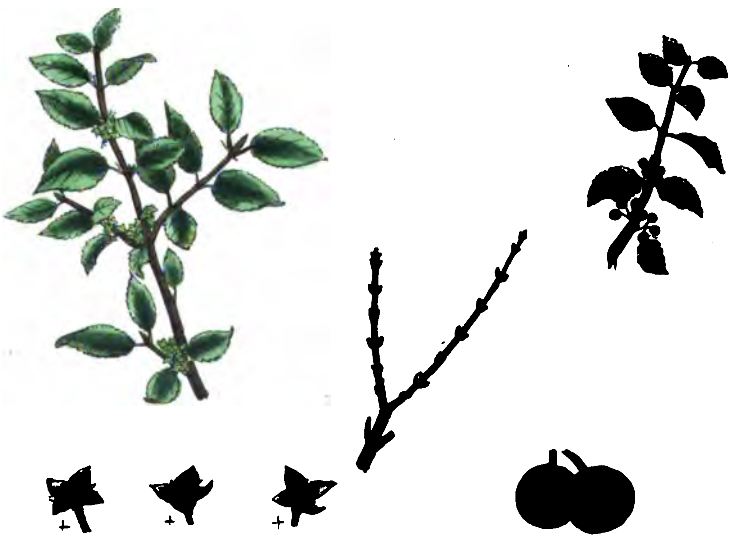


Rhámnus cathárticus.

The purging Buckthorn.



12 ft. high, 3½ in. diam.



Rhámnus alpìnus.

The alpine Rhamnus.



11 ft. high, 3 in. diam.

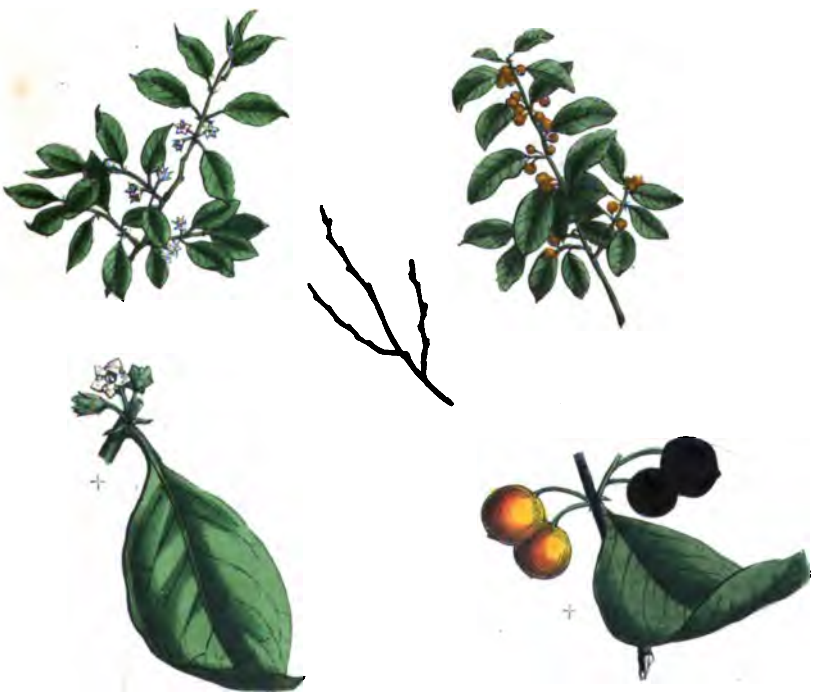


Rhámnus Frángula.

The brittle-wooded Buckthorn, *or Berry-bearing Alder.*



10 ft. high, 1½ in. diam.



Rhámnus latifòlius.

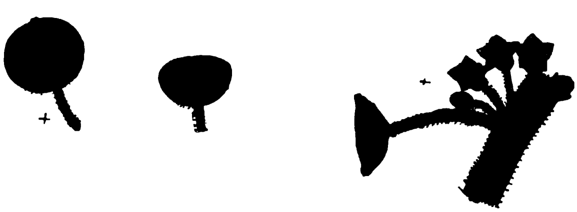
The broad-leaved Buckthorn.



11 ft. high, 3¼ in. diam.







Aristotèlia Mácqui.

The Macqui Aristotelia.



10 ft. high, 1¼ in. diam.



The Japanese Sophora.



20 ft. high, 9 in. diam.



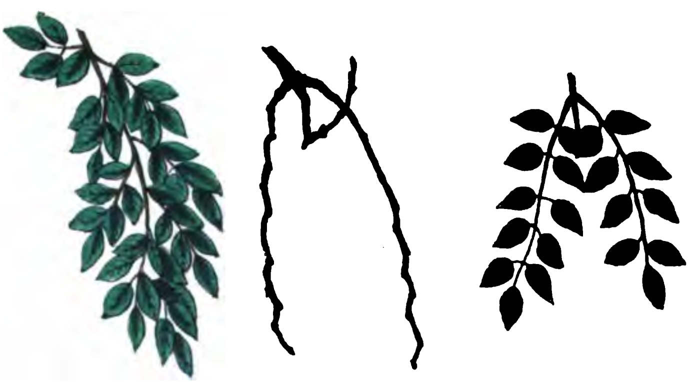


Sophòra *japónica péndula.*

The drooping-*branched* Japanese Sophora.



12 ft. high, 3 in. diam.



The yellow-*wooded* Virgilia.



17 ft. high, 5¼ in. diam.



The *common* Laburnum.



15 ft. high, 5 in. diam.



Cýtisus Labúrnum quercifòlium, or _incìsum_.

The Oak-leaved, _or_ cut-_leaved_, Làburnum.



15 ft. high, 3 in. diam.



Cýtisus alpìnus.

The alpine Cytisus, *or Scotch Laburnum.*



12 ft. high, 3½ in. diam.



Cýtisus alpìnus péndulus.

The pendulous alpine, *or Scotch, Laburnum.*



12 ft. high, 2½ in. diam.



The Robinia, *or* False Acacia.





The Umbrella, *or Parasol,* Robinia *or* False Acacia.



14 ft. high, 3 in. diam.



Robínia Pseùd-Acàcia tortuòsa.

The twisted-*leaved* Robinia *or* False Acacia.

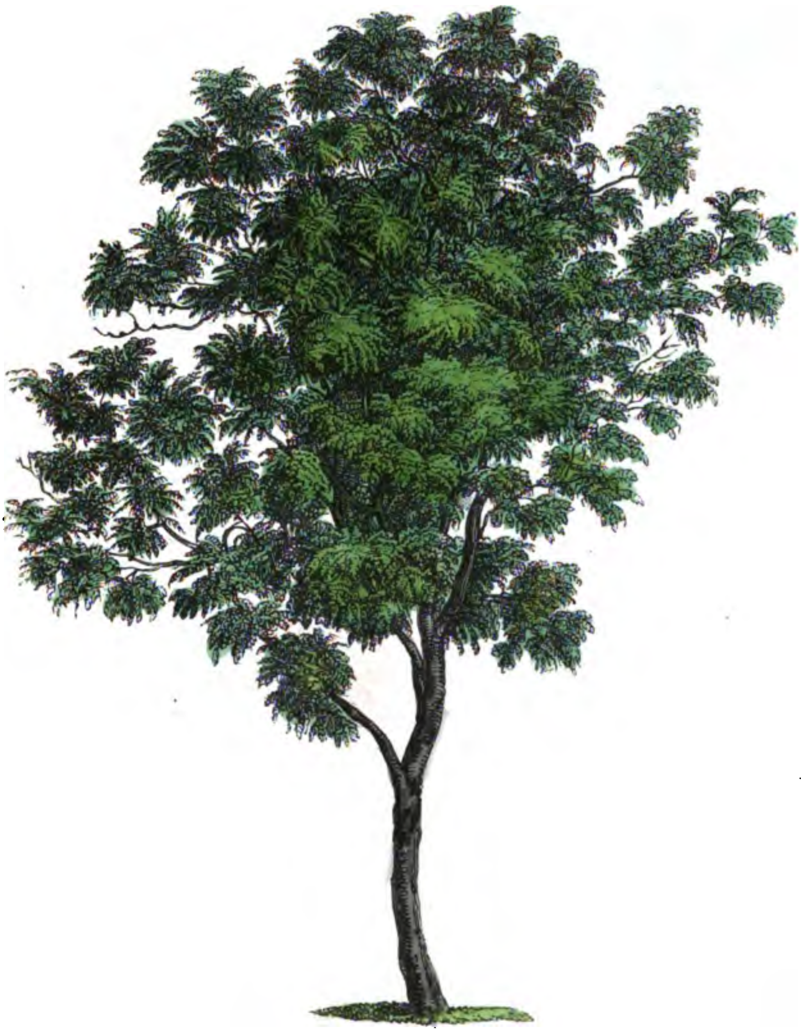


12 ft. high, 3¼ in. diam.



Robínia viscòsa.

The clammy Robinia.



22 ft. high. 8 in. diam.



Robínia híspida macrophýlla.

The large-leaved Robinia, *or Rose Acacia.*



8¼ ft. high, 2¼ in. diam.



Caragàna *arboréscens.*

The arborescent Caragana, *or Siberian Pea tree.*



11 ft. high, 3 in. diam.



The three-spined Gleditschia, *or Honey Locust.*



19½ ft. high, 3½ in. diam.



The three-spined Gleditschia, *or Honey Locust.*



19½ ft. high, 3½ in. diam.



The three-thorned Gleditschia, *or Honey Locust.*

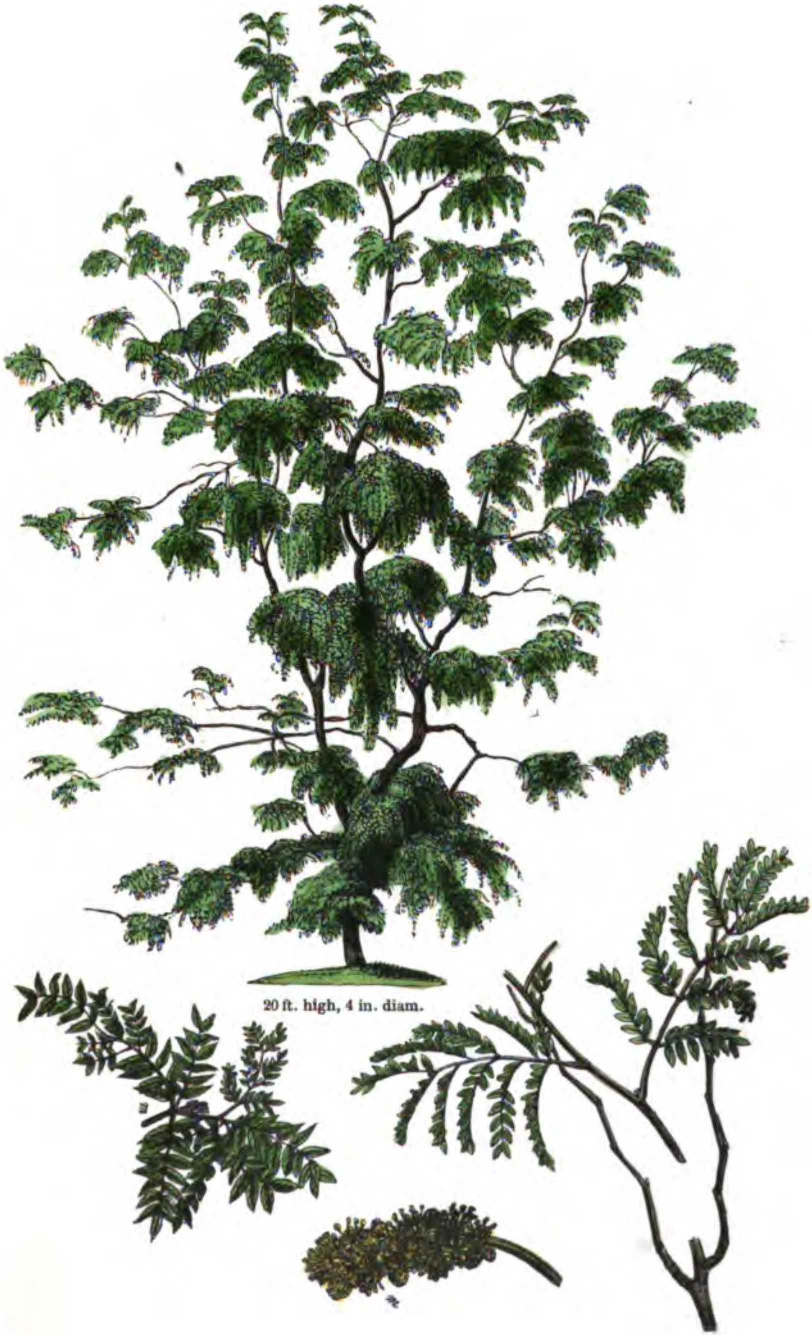


Full-grown tree at Syon ; 68 ft. high, diam. of the trunk 2 ft. 3 in., and of the head 40 ft. [Scale 1 in. to 12 ft.]



Gledítschia inérmis.

The unarmed, *or thornless*, Gleditschia, *or Honey Locust.*



20 ft. high, 4 in. diam.

Gleditschia sinénsis, or *hórrida*.

The Chinese, *or* horrid-*spined*, Gleditschia.



Full-sized tree at Syon ; 54 ft. high, diam. of the trunk 3 ft., and of the head 54 ft.



Gledítschia japónica.

The Japan Gleditschia.



10 ft. high, 2½ in. diam.



Gledítschia hórrida nàna. 96

The dwarf horrid-*spined* Gleditschia, *or Honey Locust.*



15 ft. high, 5 in. diam.

Gledítschia hórrida purpùrea.

The purple horrid-*spined* Gleditschia, *or Honey Locust.*



12 ft. high, 2 in. diam.



The long-spined Gleditschia, *or Honey Locust.*



Full-grown tree at Syon; 57 ft. high, diam. of the trunk 3 ft., and of the head 63 ft. [Scale 1 in. to 12 ft.]



Gymnócladus canadénsis.

The Canadian Gymnocladus, *or Kentucky Coffee tree.*



17 ft. high, 2½ in. diam.

The Canadian Gymnocladus, *or Kentucky Coffee tree.*



Full-grown tree at Syon ; 57 ft. high, diam. of the trunk 3 ft., and of the head 47 ft.
[Scale 1 in. to 12 ft.]



The Canadian Gymnocladus, *or Kentucky Coffee tree.*



Full-grown tree at Syon ; 57 ft. high, diam. of the trunk 3 ft., and of the head 47 ft.
[Scale 1 in. to 12 ft.]



Cércis Siliquástrum.

The _common_ Judas tree.



11 ft. high, 3¼ in. diam.



Cércis Siliquástrum.

The *common* Judas tree.



Full-grown tree at Syon; 24 ft. high, diam. of the trunk 2 ft., and of the head 32 ft.
[Scale 1 in. to 12 ft.]



Cércis canadénsis.

The Canadian Judas tree.



10 ft. high, 2 in. diam.



Acàcia dealbàta.

The whitened Acacia.



18 ft. high, 3 in. diam.





3 2044 103 113 858

3 2044 103 113 858

3 2044 103 113 858

3 2044 103 113 858